

In the Specification:

Page 1, line 14; delete "combine" and insert therefor --combines--.

Page 2, line 27, delete "species" and insert therefor --diverse biotargets--.

Page 2, line 30, after "multiple," please insert --diverse--.

Page 3, line 18, delete "biological molecules" and insert therefor --diverse biotargets--.

Page 3, line 24, delete "samples" and insert therefor --sample--.

Page 4, line 22, delete " molecular species" and insert therefor --diverse biotargets--.

Page 4, line 27, delete "different biological macromolecules" and insert therefor --diverse macromolecule biotargets--.

Page 9, lines 5, 11 and 16 delete "e-well" and insert therefor --n-well--.

Page 10, line 34, insert --- after "production."

Page 13, line 14, delete "100,000" and insert therefor --10,000--.

Page 13, line 22, after "multiple," insert --diverse--.

Page 71, line 21, before "type," insert --diverse biotarget--.

Page 76, line 28, delete "100,000" and insert therefor --10,000--.

In the Claims:

Please cancel claims 1-41.

Please add new claims 42-69 as follows:--

42. An integrated biosensor system for the simultaneous detection of a plurality of diverse targets, said system comprising: